

**TABLE 8-10**  
Environmental Factors

	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Alternative 6
<b>Recreational</b> (increased recreational usage)	(To be supplied by King County)	(To be supplied by King County)	(To be supplied by King County)	(To be supplied by King County)	(To be supplied by King County)	(To be supplied by King County)
<b>Fish and Shellfish</b> (enhanced fisheries and shellfish resources)	(To be supplied by King County)	(To be supplied by King County)	(To be supplied by King County)	(To be supplied by King County)	(To be supplied by King County)	(To be supplied by King County)
<b>Water Quality</b> (improvement over current CSO conditions)	<u>Average:</u> Only one CSO discharge (untreated) event a year. However, stormwater related pollutants will be discharged into Elliott Bay.	<u>Above Average:</u> Reduce annual CSO discharges to 20 (Alternative 2) or 15 (Alternatives 3 and 4). Only one untreated discharge event per year. Provide TSS removal, disinfection, and dechlorination. Provide submerged outfall discharges.			<u>Above Average:</u> Only four (Alternative 5) or one (Alternative 6) CSO discharge (untreated) event a year. All other flows diverted to West Point for treatment and disposal.	
<b>Traffic</b> (temporary street closures and traffic rerouting)	<u>Above Average:</u> Over 24 miles of storm sewers will be constructed within street right-of-way and will require street closures and traffic rerouting.	<u>Average:</u> About one mile of pipelines and one mile of tunnel will be constructed within street right-of-way and will require street closures and traffic rerouting.			<u>Average:</u> About one-half mile of pipelines and one mile of tunnel will be constructed within street right-of-way and will require street closures and traffic rerouting.	
<b>Marine Vessels</b> (disruption to boats and vessels)	<u>Average:</u> Short, shallow water outfall should not impact marine vessel movement or anchorage area. May be short-term impacts from construction.			<u>Above Average:</u> Deeper outfall construction will impact short-term ship anchorage area.	<u>Average:</u> Short, shallow water outfall should not impact marine vessel movement or anchorage area. May be short-term impacts from construction.	
<b>Odor</b> (potential for odors)	<u>Above Average:</u> Two large storage tanks operating for each storm event (150 to 200 times a year) High potential for odor during summer months.	<u>Average:</u> No open air storage facilities. However pump stations wet wells will be vented to atmosphere. Tunnel will have self-cleaning flushing velocities.		<u>Above Average:</u> Large open air storage tank operating 20 times a year. High potential for odor if not cleaned.	<u>Below Average:</u> No open air storage facilities. Large diameter tunnels will have forced air exhaust ventilation systems for odor control.	